Statement-II

Expected Energy Generation/Savings from various Non-Conventional Energy Systems and Devices installed up to 31-3-1993

Sl. No.	Programmes	Unit	Systems Installed	Expected Energy Generation/ Fuel Savings Per Year	
1	Family Size Biogas Plants	Nos.	1,763,000	5,700,000	Tonnes of wood
2	Community/Institutional/Night Soil Biogas Plants	Nos.	1,009		
3	Improved Chulhas	Nos.	14,505,000	10,100,000	Tonnes of wood
4	Solar Thermal Systems	Area in Sq. mtr.	247,000	167,000,000	KWH
5	Solar Cookers	Nos.	288,000	173,000	Tonnes of wood
6	Solar Photovoltair	KW	3,324	5,000,000	KWH
7	Wind Power	KW	53,930	107,600,000	KWh
8	Wind Pumps	Nos.	3,009	3,851	Tonnes of Diesel
9	Biomass Gasifiers	KW	9,500	725	Tonnes of Diesel
10	Bio-energy/Cogeneration	KW	6,000	21,600,000	KWh
11	Small Hydro Power	KW	93,440	490,000,000	KWh

Bagasse as a Source of Energy

2054. SHRI KAMAL MORARKA : Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that India is the largest producer of sugarcane in the world ;

(b) whether it is a fact that Indian variety of sugarcane yields the maximum quantity of biomass in the form of Bagasse ;

(c) whether it is a fact that Bagasse is an environment friendly source of energy ;

(d) if so, what steps have been taken/ proposed to be taken to make best use of the vastly available potential of this source of energy ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES AND MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE. (SHRI S. KRISHNA KUMAR) : (a) No Sir. As per world sugarcane production data available for 1992, India is the second largest producer of sugarcane after Brazil.

(b) No comparative study regarding yield of bagage from Indian varieties of sugarcane *viz-a-viz* the varieties of sugarcane available elsewhere in the world has been carried out.

(c) and (d) Yes, Sir. Ministry of Non-conventional Energy Sources had constituted a Task Force to assist in the formulation of a National Programme on Biomass based Cogeneration. The recommendations of the Task Force pertaining to bagasse based congeneration in sugar mills were discussed in a National Workshop held recently. A National Programme is likely to be launched after detailed examination of the recommendations.

Use of Solar Power

2055. SHRI TINDIVANAM G. VENKANTRAMAN : Will the PRIME MINISTER be pleased to state :

(a) whether Government propose to encourage solar power for lighting and industrial consumption ;

(b) if so, the States where the solar power is being tapped ;

(c) whether Government also encourage wind mills for production of electric energy; and